

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
 Data File : VN083524.D
 Acq On : 28 Aug 2024 08:31
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

08/28/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Aug 28 11:58:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N082824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 28 11:58:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.812	128	33173	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	195164	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	179747	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	89285	32.147	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.167%
60) 4-Bromofluorobenzene	12.847	95	99981	33.423	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	111.400%
63) Toluene-d8	10.565	98	246985	28.934	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.433%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	337599	179.285	ug/l	99
3) Chloromethane	2.359	50	332390	152.207	ug/l	99
4) Vinyl Chloride	2.512	62	351525	170.398	ug/l	97
5) Bromomethane	2.900	94	166227	154.417	ug/l	99
6) Chloroethane	3.059	64	225262	192.830	ug/l	96
7) Trichlorofluoromethane	3.459	101	587218	194.527	ug/l	98
8) Diethyl Ether	3.953	74	209409	143.301	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.353	101	330655	159.603	ug/l	95
10) 1,1-Dichloroethene	4.324	96	306895	151.397	ug/l	85
11) Methyl Iodide	4.571	142	426193	230.171	ug/l	95
12) Methyl Acetate	5.024	43	524178	202.273	ug/l #	80
13) Acrolein	4.171	56	254430	471.450	ug/l	99
14) Acrylonitrile	5.718	53	834113	720.912	ug/l	98
15) Acetone	4.430	58	279906	1072.695	ug/l	73
16) Carbon Disulfide	4.694	76	806087	143.709	ug/l	97
17) Allyl chloride	5.012	41	569036	156.830	ug/l	88
18) Methylene Chloride	5.265	84	341396	148.200	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	313782	148.713	ug/l	96
20) Diisopropyl ether	6.671	45	1109716	141.102	ug/l	96
21) 1,1-Dichloroethane	6.565	63	630662	151.444	ug/l	96
22) cis-1,2-Dichloroethene	7.482	96	393506	152.699	ug/l	93
23) tert-Butyl Alcohol	5.547	59	336504	705.926	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	1156552	158.432	ug/l #	89
25) Chloroform	7.965	83	664689	165.910	ug/l	99
26) Cyclohexane	8.253	56	552300	154.291	ug/l #	88
29) 1,1-Dichloropropene	8.365	75	467233	160.809	ug/l	99
30) 2-Butanone	7.482	43	1238847	827.159	ug/l	95
31) 2,2-Dichloropropane	7.482	77	619890	208.189	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	623262	186.514	ug/l	98
33) Carbon Tetrachloride	8.359	117	540792	199.412	ug/l	98
34) Benzene	8.606	78	1407667	151.864	ug/l	98
35) Methacrylonitrile	7.777	41	278317	146.883	ug/l	92
36) 1,2-Dichloroethane	8.671	62	518288	166.565	ug/l	95
37) Trichloroethene	9.353	130	327395	144.206	ug/l	98
38) Methylcyclohexane	9.600	83	589747	168.022	ug/l	97
39) 1,2-Dichloropropane	9.618	63	341522	143.593	ug/l	97
40) Dibromomethane	9.706	93	242455	158.681	ug/l	95
41) Bromodichloromethane	9.888	83	537907	164.711	ug/l	98
42) Vinyl Acetate	6.600	43	5858554	919.021	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	459821	140.333	ug/l	99
44) Isopropyl Acetate	8.688	43	866318	149.451	ug/l #	88
45) 1,4-Dioxane	9.700	88	134008	2882.343	ug/l	95
46) Methyl methacrylate	9.682	41	395883	149.471	ug/l	83
47) n-amyl Acetate	12.494	43	768082	146.934	ug/l	89
48) t-1,3-Dichloropropene	10.835	75	569667	160.856	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	594647	158.812	ug/l #	86
50) 1,1,2-Trichloroethane	11.018	97	322427	155.542	ug/l	98
51) Ethyl methacrylate	10.876	69	581831	148.716	ug/l	80
52) 1,3-Dichloropropane	11.165	76	567966	149.134	ug/l	99
53) Dibromochloromethane	11.359	129	391370	173.528	ug/l	99
54) 1,2-Dibromoethane	11.470	107	333858	161.490	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	1324408	676.966	ug/l	98
56) Bromoform	12.576	173	258475	188.302	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	2334952	669.044	ug/l #	90
59) 2-Hexanone	11.200	43	1853091	716.104	ug/l	90
61) Tetrachloroethene	11.106	164	279502	140.138	ug/l	94
62) Toluene	10.629	91	1529264	151.209	ug/l	99
64) Chlorobenzene	11.894	112	940203	151.992	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	335055	165.489	ug/l	98
66) Ethyl Benzene	11.965	91	1769111	159.583	ug/l	100
67) m/p-Xylenes	12.070	106	1315073	319.952	ug/l	98
68) o-Xylene	12.400	106	633967	155.897	ug/l	98
69) Styrene	12.412	104	1085072	158.951	ug/l	99
70) Isopropylbenzene	12.694	105	1703114	164.903	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	479834	161.445	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	424478m	174.542	ug/l	
73) Bromobenzene	12.982	156	372965	168.698	ug/l	93
74) n-propylbenzene	13.035	91	1990580	163.248	ug/l	99
75) 2-Chlorotoluene	13.123	91	1220912	161.968	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	1425695	170.542	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	194952	157.553	ug/l	93
78) 4-Chlorotoluene	13.223	91	1225613	165.964	ug/l	99
79) tert-butylbenzene	13.441	119	1246273	173.146	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	1450762	172.770	ug/l	99
81) sec-Butylbenzene	13.617	105	1749307	173.378	ug/l	100
82) p-Isopropyltoluene	13.729	119	1492763	187.103	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	735224	184.689	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	728900	182.168	ug/l	99
85) n-Butylbenzene	14.059	91	1351219	185.411	ug/l	98
86) Hexachloroethane	14.335	117	287920	180.991	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	726003	183.108	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	111933	167.831	ug/l	92
89) 1,2,4-Trichlorobenzene	15.841	180	401049	183.701	ug/l	100
90) Hexachlorobutadiene	15.500	225	170335	210.664	ug/l	100
91) Naphthalene	15.641	128	1369678	165.038	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	401049	183.701	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

